

Datalist - A Value Added Service to Enable Easy Data Selection



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NASA/Goddard EARTH SCIENCES DATA and INFORMATION SERVICES CENTER (GES DISC)

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Abstract

Imagine a user wanting to study hurricane events. This could involve searching and downloading multiple data variables from multiple data sets. The currently available services from the Goddard Earth Sciences Data and Information Services Center (GES DISC) only allow the user to select one data set at a time. The GES DISC started a Datalist initiative, in order to enable users to easily select multiple data variables. A Datalist is a collection of predefined or user-defined data variables from one or more archived data sets. Target users of Datalists include science teams, individual science researchers, application users, and educational users. Datalists are more than just data.

Datalists effectively provide users with a sophisticated integrated data and services package, including metadata, citation, documentation, visualization, and data-specific services, all available from one-stop shopping.

Datalists are created based on the software architecture of the GES DISC Unified User Interface (UII). The Datalist service is completely data-driven, and a Datalist is treated just as any other data set. The predefined Data Lists, created by the experienced GES DISC science support team, should save a significant amount of time that users would otherwise have to spend.

Problem

- Natural phenomenon study requires
 - Multiple dataset
 - Multiple variables
- New comers to earth science don't know where to start
- Current GES DIS service
 - Only allow user to select variables from a single dataset at a time
 - Too many variables from a dataset are displayed, choice is hard

Solution

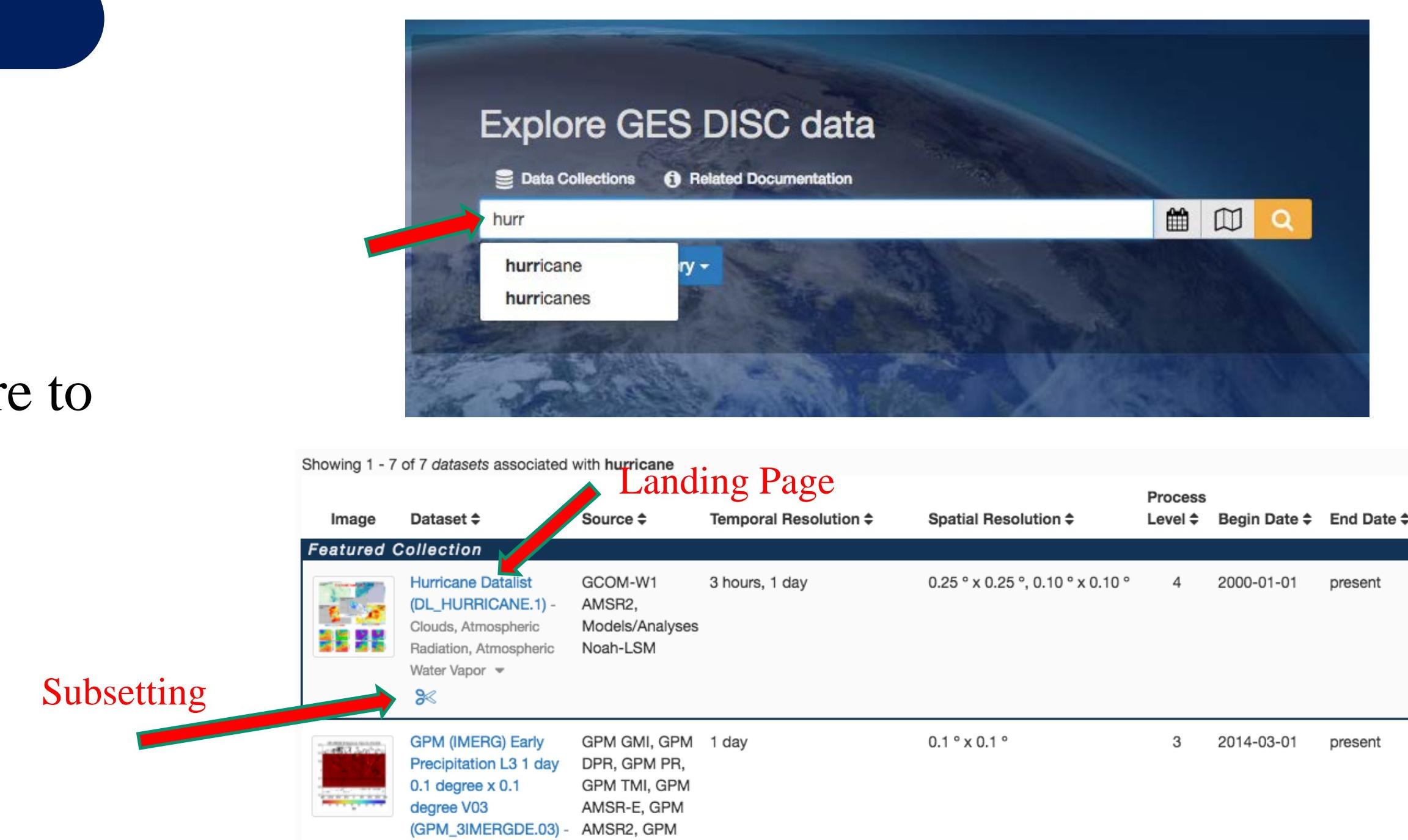
- GES DISC's new Datalist service
- A Data List is a collection of predefined or user-defined data variables from one or more archived datasets
- Value-add service
 - Subject Area Experts are the Curators of the datalist

Why the name?

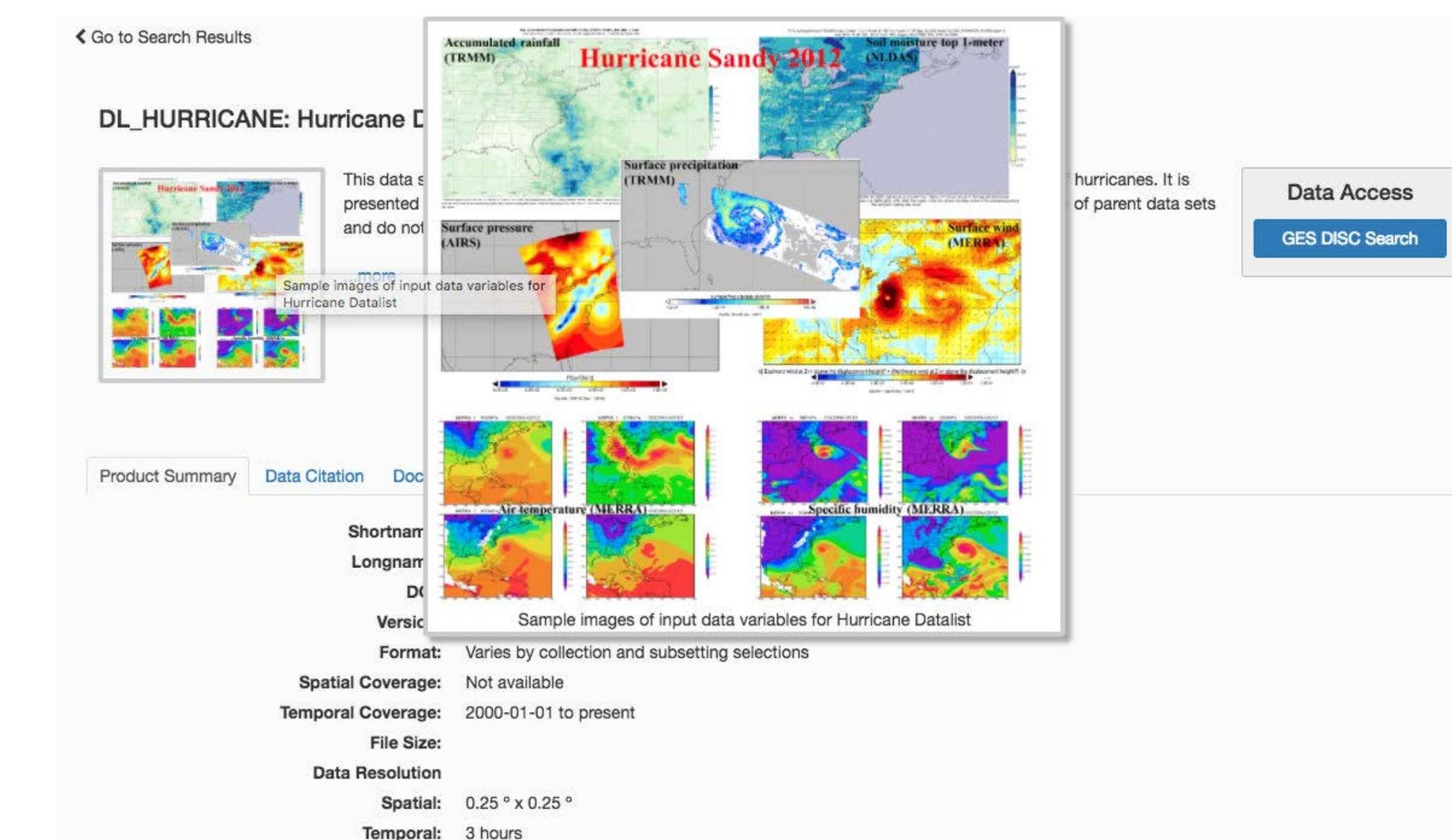
It takes the name from music playlist.

GES DISC Datalist	Spotify/iTune/...
Dataset	Album
Variable	Song
Recommended playlist	Pre-defined Datalist
My favorite playlist	User defined Datalist

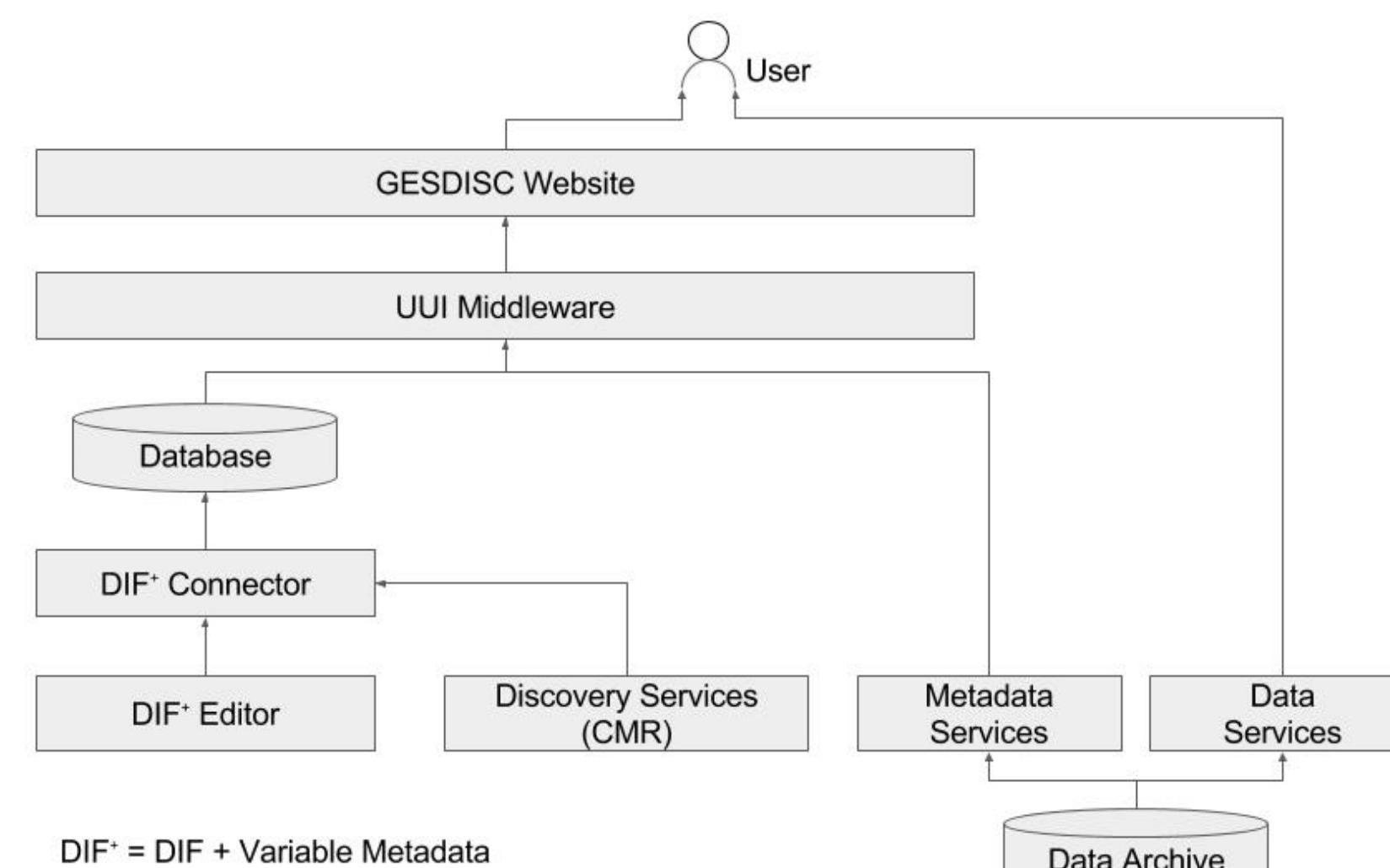
Search and Result



Landing Page



Architecture



Future

- Datalist Curator's tool
 - A-Train Datalist
 - User-defined datalist
 - Sharable datalist
 - Datalist for event
 - Smart datalist
- Spring 2017
Early Spring 2017
Summer 2017
Summer 2017
Fall 2017
TBD

Authors

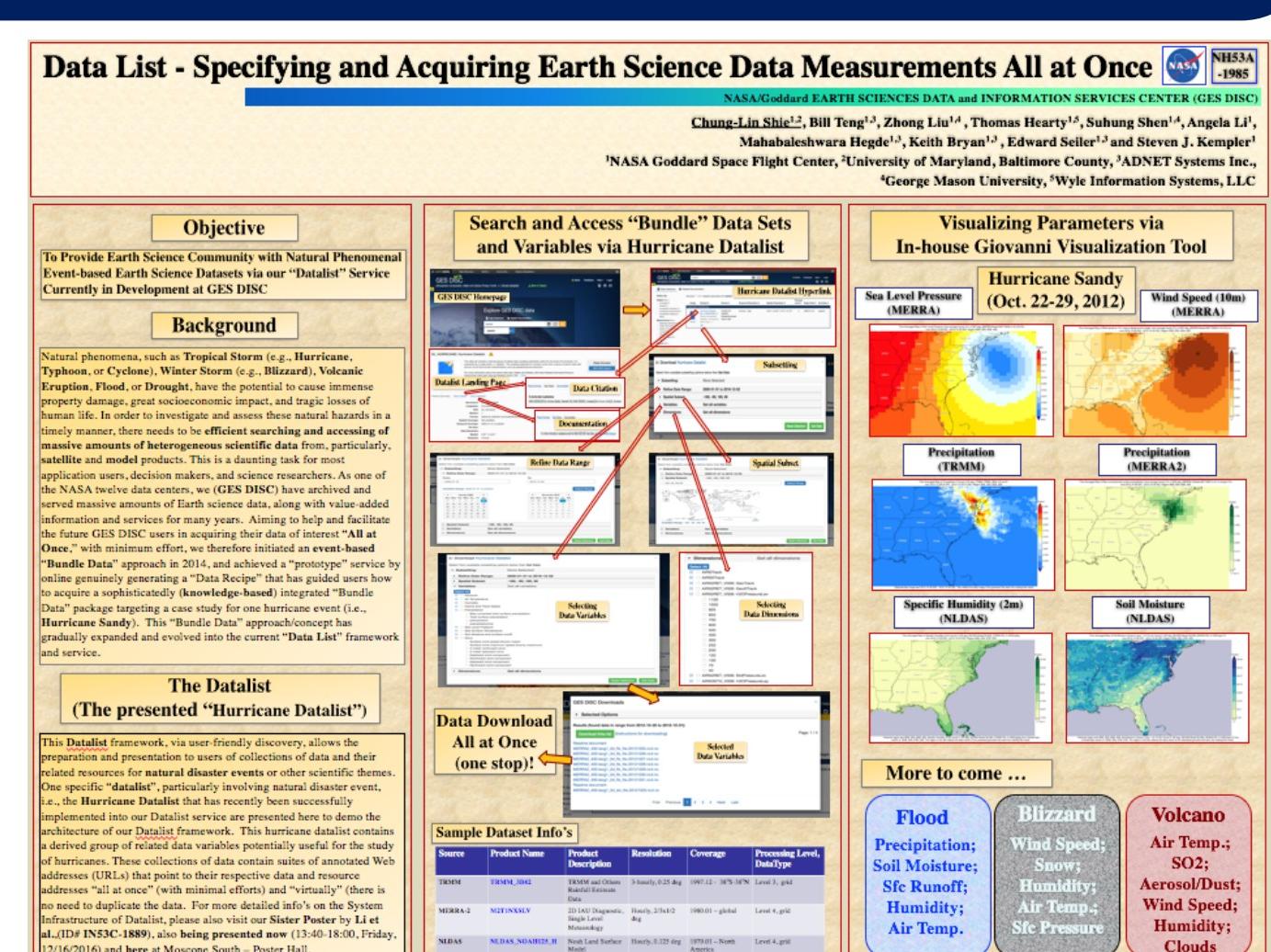
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Brother Poster



Shie et al.
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13:40-18:00
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